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JUL 18 2006

Serial No. 10/728,292  
60246-280; 10799

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Zhang  
Serial No.: 10/728,292  
Filed: December 4, 2003  
Group Art Unit: 3744  
Examiner: Tanner, Harry B.  
Title: TRANSCRITICAL HEAT PUMP WATER HEATING SYSTEM  
USING AUXILIARY ELECTRIC HEATER

**RESPONSE**

Commissioner for Patents  
P.O. Box 1450  
Alexandra, VA 22313-1450

Sir:

This paper is responsive to the Office Action mailed on April 18, 2006. Claims 1, 9-15, 17 and 19-25 are remain in this application. Claims 20-25 have been added, claims 2-8, 16 and 18 have been withdrawn and claims 1-3, 5-9, 11, 12 and 15-19 have been amended. Please amend the application as follows.

07/19/2006 MBINAS 00000048 030835 10720292  
01 FC:1202 250.00 DA